

Author's response to reviews

Title: An experimental study of sexual function improvin effect of Myristica fragrans(nutmeg)

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Version: 2 Date: 18 May 2005

Author's response to reviews: see over

Title of manuscript:An experimental study of sexual function improving effects of *Myristica fragrans* Houtt. (nutmeg)

Journal:

BMC Complementary and Alternative Medicine.

MS; 1668440001589438

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Version: 1, Date: March 2005.

Reviewer: Mr. Srinivas Nammi

Minor Essential Revisions

1. The duration of the treatment has been included under the methods section of the abstract.
2. All the second level headings have now been italicized as suggested.
3. The doses (100,250 and 500mg/kg) of the test drugs used for aphrodisiac study were selected according to Freirich [1] multiplying the unani clinical doses reported in standard unani texts by the conversion factor of 7. This explanation has now been included under the background section of the revised manuscript.
4. We performed toxicity studies after the main experiments.
5. Since the aim of the preliminary acute toxicity testing was to get some idea about conspicuous behavioural changes and mortality, if any, so, we selected four different doses of the test drug including a reasonably high dose (4000mg/kg). We selected 500mg/kg of the extract as the initial dose for acute toxicity testing because it was the highest dose used for studying aphrodisiac effects in the present study. So, we wanted to see and demonstrate the toxicity/safety of the highest effective dose. Then we gradually increased the dose upto 4000mg/kg as it was quite very much higher than the highest effective dose. Even at this dose the herbal extract did not exhibit any sign of toxicity. The highest dose for the toxicity study could be administered without difficulty.

6. The dose of the two hormones were administered in the light of the method of Szechtman et al (1981) in which dose of hormones were mentioned not in terms of body weight but dose per animals [2]
7. All the parameters studied are now discussed more clearly under the result section namely, Mounting Frequency (MF), Intromission Frequency (IF); Mounting Latency (ML), Intromission Latency (IL), Ejaculatory Latency in first series (EL1), Ejaculatory Latency in second series (EL2), Post Ejaculatory Interval (PEI) in mating behaviour test and MF, IF, EJ (Ejaculation) in context of test for libido. In context of test for potency, Erection (E), Quick Flips (QF), Long Flips (LF), Total penile reflexes (TPR) have been described. The results have also been co-related with previous literature under the discussion section of the revised manuscript.
8. The entire manuscript is checked again for possible typographical and grammatical error and omissions and corrections are made wherever required.
9. The P value which were >0.05 have now been deleted as suggested.
10. After discussion with an expert statistician we considered the probability of error upto 0.001 as sufficient to indicate the significance. And the results with $P>0.05$ now indicated as not significant (NS). The symbols* for $P<0.05$,** for $P<0.01$, and *** for $P<0.001$ have now been used in tables.

References

1. Freirich EJ: **Quantitative comparison of toxicity of anti-cancer agents in mous, rat, dog, monkey and man.** *Cancer Chemotherapy Report* 1968, 50: 219-244.
2. Szechtman H, Moshe H, and Rabi S: **Sexual behaviour Pain sensitivity and stimulates endogenous opiod in male rats.** *Eur J Pharmacol* 1981, 70: 279-285.